

Contents

Volume 17, Numbers 1-6

Volume 17 Number 1

January-February 2001

In This Issue	1
----------------------	----------

Review Articles

- | | |
|---|----|
| Genetic susceptibility factors of type 1 diabetes in Asians
<i>Y. Park and G. S. Eisenbarth</i> | 2 |
| Visual electrophysiological responses in persons with type 1 diabetes
<i>V. Parisi and L. Uccioli</i> | 12 |
| Age-related insulin resistance: is it an obligatory finding? The lesson from healthy centenarians
<i>M. Barbieri, M. R. Rizzo, D. Manzella and G. Paolisso</i> | 19 |
| Abnormalities in apo B-containing lipoproteins in diabetes and atherosclerosis
<i>G. H. Tomkin and D. Owens</i> | 27 |
-

Research Articles

- | | |
|---|----|
| Cataract development in diabetic sand rats treated with α -lipoic acid and its γ -linolenic acid conjugate
<i>D. Borenshtein, R. Ofri, M. Werman, A. Stark, H. J. Tritschler, W. Moeller and Z. Madar</i> | 44 |
| Bovine β -casein antibodies in breast- and bottle-fed infants: their relevance in type 1 diabetes
<i>L. Monetini, M. G. Cavallo, L. Stefanini, F. Ferrazzoli, C. Bizzarri, G. Marietti, V. Curro, M. Cervoni, P. Pozzilli and the IMDIAB group</i> | 51 |
| Treatment of diabetes with vanadium salts: general overview and amelioration of nutritionally induced diabetes in the <i>Psammomys obesus</i> gerbil
<i>E. Shafrir, S. Spielman, I. Nachliel, M. Khamaisi, H. Bar-On and E. Ziv</i> | 55 |
-

Clinical Challenges in Diabetes

- | | |
|---|----|
| Achieving optimal diabetic control in adolescence: the continuing enigma
<i>E. M. McConnell, R. Harper, M. Campbell and J. K. Nelson</i> | 67 |
|---|----|
-

Features

- | | |
|---|----|
| Meeting Report: The 36th Annual Meeting of EASD | 75 |
| Book Review | 83 |
| Calendar | 84 |
| Current Literature in Diabetes | 85 |
-

Volume 17 Number 2**March–April 2001**

In This Issue 93

Review Articles

- Hemoglobin variants and determination of glycated hemoglobin (HbA_{1c})
W. J. Schnedl, A. Liebming, R. E. Roller, R. W. Lipp and G. J. Krejs 94
- Diabetes and mass spectrometry
A. Lapolla, D. Fedele and P. Traldi 99
- Sensors for glucose monitoring: technical and clinical aspects
T. Koschinsky and L. Heinemann 113
-

Research Articles

- Hyperfibrinogenemia and metabolic syndrome in type 2 diabetes: a population-based study
G. Bruno, P. Cavallo-Perin, G. Barger, M. Borra, N. D'Errico, G. Macchia and G. Pagano 124
- Treatment with antioxidants at onset of type 1 diabetes in children: a randomized, double-blind placebo-controlled study
J. Ludvigsson, U. Samuelsson, C. Johansson and L. Stenhammar 131
- Insulin secretion, obesity, and potential behavioral influences: results from the Insulin Resistance Atherosclerosis Study (IRAS)
E. J. Mayer-Davis, S. Levin, R. N. Bergman, R. B. D'Agostino Jr, A. J. Karter and M. F. Saad 137
- Thymic expression of insulin-related genes in an animal model of autoimmune type 1 diabetes
O. Kecha-Kamoun, I. Achour, H. Martens, J. Collette, P. J. Lefebvre, D. L. Greiner and V. Geenen 146
-

Features

- Book Review 153
- Current Literature in Diabetes 154
- Conference Calendar 162
-

Volume 17 Number 3**May-June 2001**

In This Issue 163

Review Articles

- The importance of first-phase insulin secretion: implications for the therapy of type 2 diabetes mellitus
S. Del Prato and A. Tiengo 164
- Coincident diabetes mellitus and primary hyperparathyroidism
W. H. Taylor and A. A. Khaleeli 175
- Clinical importance of insulin secretion and its interaction with insulin resistance in the treatment of type 2 diabetes mellitus and its complications
D. Porte, Jr 181
- The role of oxidative stress in the onset and progression of diabetes and its complications: a summary of a Congress Series sponsored by UNESCO-MCBN, the American Diabetes Association and the German Diabetes Society
P. Rösen, P. P. Nawroth, G. King, W. Möller, H.-J. Tritschler and L. Packer 189
-

Research Articles

- Genomic variation in pancreatic ion channel genes in Japanese type 2 diabetic patients
Y. Yamada, A. Kuroe, Q. Li, Y. Someya, A. Kubota, Y. Ihara, Y. Tsuura and Y. Seino 213
- Effect of D-glucose on nitric oxide release from glomerular endothelial cells
N. Kasai, K. Sugimoto, N. Horiba and T. Suda 217
- Brain and liver mitochondria isolated from diabetic Goto-Kakizaki rats show different susceptibility to induced oxidative stress
M. S. Santos, D. L. Santos, C. M. Palmeira, R. Seica, A. J. Moreno and C. R. Oliveira 223
-

Features

- Book Review 231
- Conference Calendar 232
- Current Literature in Diabetes 233
-

Volume 17 Number 4**July–August 2001**

In This Issue 241

Editorials*J. Roth* 242Cardiac sympathetic innervation and blood flow regulation of the diabetic heart
O. Schnell 243

Review ArticlesDiabetic foot ulcers: a quality of life issue
L. Vileikyte 246Hepatic glucose uptake, gluconeogenesis and the regulation of glycogen synthesis
J. Radziuk and S. Pye 250Prostaglandylinositol cyclic phosphate (cPIP): a novel second messenger of insulin action. Comparative analysis of two kinds of 'insulin mediators'
P. N. Shashkin, H. K. Wasner, H. K. Ortmeyer and B. C. Hansen 273

Research ArticlesSevere hypoglycaemia in patients with type 1 diabetes and impaired awareness of hypoglycaemia: a comparative study of insulin lispro and regular human insulin
W. S. C. Ferguson, M. W. J. Strachan, J. M. Janes and B. M. Frier 285No evidence for *SEL1L* as a candidate gene for *IDDM11*-conferred susceptibility
F. Pociot, Z. M. Larsen, P. Zavattari, E. Deidda, J. Nerup, M. Cattaneo, R. Chiaramonte, P. Comi, M. Sabbadini, M. Zollo, I. Biunno and F. Cucca 292Family and genetic studies of indices of insulin sensitivity and insulin secretion in Pima Indians
R. L. Hanson, G. Imperatore, K. M. Venkat Narayan, J. Roumain, A. Fagot-Campagna, D. J. Pettitt, P. H. Bennett and W. C. Knowler 296Regulation of cardiac transient outward potassium current by norepinephrine in normal and diabetic rats
M. Gallego and O. Casis 304

Features

Conference Calendar 310

Current Literature in Diabetes 311

Volume 17 Number 5**September–October 2001**

In This Issue 319

Review Articles

- Adrenomedullin and diabetes mellitus
E. Ruzicska, M. Toth, Z. Tulassay and A. Somogyi 321
- The role of taurine in diabetes and the development of diabetic complications
S. H. Hansen 330
- Human obesity: an evolutionary approach to understanding our bulging waistline
A. Lev-Ran 347
- Molecular mechanism of insulin resistance in type 2 diabetes mellitus: role of the insulin receptor variant forms
G. Sesti, M. Federici, D. Lauro, P. Sbraccia and R. Lauro 363
-

Research Articles

- Prospective study of diabetes mellitus and liver cancer in Japan
Y. Fujino, T. Mizoue, N. Tokui and T. Yoshimura 374
- Corpus cavernosum dysfunction in diabetic rats: effects of combined α -lipoic acid and γ -linolenic acid treatment
A. Keegan, M. A. Cotter and N. E. Cameron 380
- Effects of acipimox on the lipolysis rate in subcutaneous adipose tissue of obese subjects
M. Flechtner-Mors, C. P. Jenkinson, A. Alt, G. Adler and H. H. Ditschuneit 387
- Dyslipidemia and a reversible decrease in insulin sensitivity induced by therapy with 13-cis-retinoic acid
H. A. Koistinen, A. Remitz, H. Gylling, T. A. Miettinen, V. A. Koivisto and P. Ebeling 391
- Blink reflex abnormalities in diabetes mellitus
B. Nazliel, I. Yetkin, C. Irkeç and B. Koçer 396
-

Features

- Conference Calendar 401
- Current Literature in Diabetes 402
-

Volume 17 Number 6**November–December 2001**

In This Issue 411

Review Articles

- Heparan sulfate proteoglycans in experimental models of diabetes: a role for perlecan in diabetes complications
K. Conde-Knape 412
- Autoimmune gestational diabetes mellitus: a distinct clinical entity?
D. Mauricio and A. de Leiva 422
- Clinical application of NKT cell assays to the prediction of type 1 diabetes
L. D. Poulton and A. G. Baxter 429
- The AGE-receptor in the pathogenesis of diabetic complications
H. Vlassara 436
-

Research Articles

- Lack of association of insulin resistance and carotid intimal medial thickness in non-diabetic Asian Indian subjects
C. Snehalatha, V. Vijay, R. Suresh Mohan, K. Satyavani, S. Sivasankari, T. Megha, S. Radhika and A. Ramachandran 444
- Increased retinal endothelial cell monolayer permeability induced by the diabetic milieu: role of advanced non-enzymatic glycation and polyol pathway activation
G. Leto, F. Pricci, L. Amadio, C. Iacobini, S. Cordone, O. Diaz-Horta, G. Romeo, P. Barsotti, C. M. Rotella, U. di Mario and G. Pugliese 448
- Composition of LDL as determinant of its susceptibility to *in vitro* oxidation in patients with well-controlled type 2 diabetes
P. G. Scheffer, S. J. L. Bakker, C. Popp-Snijders, R. J. Heine, R. B. H. Schutgens and T. Teerlink 459
- Lower incidence of severe hypoglycaemia in patients with type 2 diabetes treated with glimepiride versus glibenclamide
A. Holstein, A. Plaschke and E.-H. Egberts 467
-

Features

- Book Review 474
- Thank you to our Reviewers 475
- Conference Calendar 476
- Current Literature in Diabetes 477
-

- Author Index 485
- Keyword Index 486
- Volume Contents iii
-

Volume 17 Supplement 1**January–February 2001**

5th IDS Committees	S1
IDS Council Members	S2
IDS Committees	S3
IDS Membership Form	S4
5th IDS Meeting Format	S5
5th IDS Conference Program	S6
LADA Abstracts	S10
IDS Workshop Abstracts	S12
MMDM Abstracts	S13
Invited Speaker Abstracts	S15
Submitted Abstracts	S21
Late Abstracts (received before 1.12.2000)	S54
Author Index	S55
